PHILOSOPHICAL TRANSACTIONS.

February 22. 167$\frac{4}{5}$.

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An Account of what hath been obſerved here in London *and* Derby, *by Mr.* Hook, *Mr.* Flamſtead, *and others, concerning the late* Eclipſe *of the* Moon, *of* Jan. 1. 167$\frac{4}{5}$.

Tabb. Flamſted. Exhibent.

Initium veræ Umbræ	$5^{h.}$ 22′.	$5^{h.}$ 32′. 58″.
Immerſio	6. 19.	6. 32. 10.
Emerſio	7. 58.	8. 7. 50.
Finis veræ umbræ	8. 58.	9. 7. 2.

At *Derby* (which differs from *London* in Longitude five Minutes) Mr. *Flamſtead* obſerv'd the Beginning of the Entrance of the true Shadow, H. 5. and 19′.

The *Penumbra* was ſeen in *London* to continue near half an Hour before it wholly quitted the Body of the Moon.

There was alſo obſerv'd here, about the middle of the total Obſcuration of the Moon, an Eclipſe of a notable fixt Star, ſo as that the preciſe Time of its Immerſion and Emerſion was ſeen.

Not doubting but that Mr. *Hook* himſelf will ſhortly make publick in a more ample manner theſe Obſervations, and divers conſiderable Particulars by him then taken notice of; we ſhall forbear to ſay any more of it in this Place.

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An Account of the Obſervations of the ſame Eclipſe as they were made at Paris; *communicated by the Learned* Bullialdus, *in his Letter to the Publiſher, dated* Febr. 6. 1675. *ſt. n.*

Iſmael Bullialdus *vidit*,			In Obſervator. Reg. obſervarunt. Par l'horologue à Pendule,			Tabb. Philolaicæ exhibent.		
Initium veræ Umbræ,	g.	′	h.	′	″	h.	′	″
alta capella	52.	26.	5. 32.	29.	5. 32.	50.	5. 44.	27.
Immerſ. altâ cap.	62.	8	6. 33.	3	6. 35.	46.	6. 46.	24.
Emerſ. cap. Pelluc.	43.	46.	8. 9.	30.	8. 8.	0.	8. 24	24.
Fin. veræ Umbræ, alt. Syrio.	20.	47.	9. 10.	0.	9. 9.	40.	9. 26.	21.

Cœlum anticipat Tabulas; in aliis locis Tabulæ anticipant Cœlum.

[This we may publiſh more particularly by our next, when we ſhall have received the *Pariſian* Accompt in Print.]

An Accompt of D. Paulus Biornonius, *reſiding in* Iceland, *given to ſome Philoſophical Inquiries concerning that Country, formerly recommended to him from hence: The Narrative being in* Latine, *'tis thus* Engliſh'd *by the Publiſher.*

THE Captain of the *Engliſh* Ship being ready to ſet Sail, I cannot now anſwer your *Queries* ſo fully as I intended; but purpoſe to do it hereafter, when I ſhall write the Natural Hiſtory of this Iſland. Mean time be pleaſed to accept of the ſhort Notes following.

Our *Air* is very healthy all the Year long. The Diſeaſes, which the Inhabitants are moſt ſubject to, are the Cholick and Leproſy. We have no Phyſicians; only two or three Chirurgeons, that furniſh us with ſome Plaiſters for the dreſſing of Wounds. In our Air, Iron ruſts very ſoon.

The Changes of the *Weather* are uncertain, nor do they fall out according to the four Seaſons of the Year. Sometimes it ſnows as well as hails in the midſt of Summer; and the Winds blow now and then moſt furiouſly at the ſame Seaſon.

As to the *Froſt*, it penetrates at moſt four Foot into the Earth. Spirit of Wine and Oyl is free from being frozen, much more Quick-ſilver. We preſerve our Fiſh from Putrefaction by burying them in the Snow. Bodies frozen do ſwell, and are changed in Taſte and Colour. The Figure of the Snow is various, and ſo is its Size. Hail is roundiſh; the greateſt is only of the Bigneſs of Hail-ſhot that we kill Fowl with.

Of